

Abstract of the Disclosure

A plastid transformation vector for a stably transforming a plastid genome, comprising, as operably-linked components, a first flanking sequence, a DNA sequence coding for synthetic insulin-like growth factor-1 (IGF-1s) (seek ID NO. 1) or a substantially homologous DNA 5 sequence of IGF-1s, which is capable of expression in the plastid genome, and a second flanking sequence.